ES Warmups Week 22

Listed below are the 5 statements about rocks and minerals. Choose the term listed in parentheses that will correctly complete the sentence.

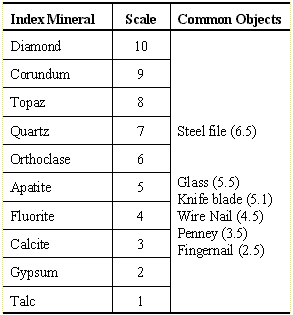
|  |  |
| --- | --- |
| 1. | A test that can be used to identify minerals just by looking at them is (**luster, streak**). |
| 2. | Minerals are inorganic (**liquids, solids**). |
| 3. | The two most common rock-forming elements on Earth are (**silicon, calcium**) and oxygen. |
| 4. | A gem that is also used for cutting tools is a (**ruby, diamond**). |
| 5. | Fool’s gold is also known as (**quartz, pyrite**). |

Match each rock description with the correct term.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | rock that is made of once living material that has been compacted and cemented together | a. | foliated metamorphic |
| 2. | layered rock formed under intense heat and pressure | b. | nonfoliated metamorphic |
| 3. | rock formed from cooled lava | c. | intrusive igneous |
| 4. | rock formed from cooled magma | d. | extrusive igneous |
| 5. | non-layered rock formed under intense heat and pressure | e. | organic sedimentary |

Match each description with the correct rock type.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | rock has crystals | a. | igneous |
| 2. | rock has banding or parallel layers | b. | sedimentary |
| 3. | rock made of rounded particles cemented together | c. | metamorphic |
| 4. | rock commonly associated with volcanoes |  |  |
| 5. | rock that can have fossils in it |  |  |

Use the Mohs scale to answer the following questions.

1. What object listed could scratch orthoclase?
2. What mineral can be scratched by corundum, but not quartz?
3. What mineral could be used to scratch topaz?
4. If you can scratch a mineral with your fingernail, what mineral could it be?

Match each example with the correct rock type.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | sandstone | a. | igneous |
| 2. | marble | b. | sedimentary |
| 3. | pumice | c. | metamorphic |
| 4. | granite |  |  |
| 5. | coal |  |  |